

Title (en)
SHOE SOLE COMPRISING A SHOCK ABSORBER

Title (de)
SCHUHSOHL E MIT STOSSDÄMPFER

Title (fr)
SEMELLE COMPRENANT UN ABSORBEUR DE CHOCS

Publication
EP 4000441 B1 20230920 (EN)

Application
EP 22150621 A 20200622

Priority

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- JP 2020095629 A 20200601
- EP 20181503 A 20200622

Abstract (en)
[origin: EP3841905A1] A shock absorber (1A) includes a three-dimensional structure (S) composed of a unit structure (U) repeatedly, regularly and continuously arranged in at least one direction, the unit structure (U) being a three-dimensional shape formed by a wall (10) having an external shape defined by a pair of parallel planes or curved surfaces. When such unit structures (U) each occupy a hexahedral space representing a unit space and defined by mutually orthogonal three sides having a first side extending in a direction in which the shock absorber (1A) exhibits a shock absorbing function as the shock absorber (1A) receives a load and second and third sides each extending from one end of the first side in a direction orthogonal to the axial direction, and the first side has a length L1 and a longer one of the second and third sides has a length L2, the three-dimensional structure (S) includes as the unit structure (U) a unit structure satisfying $1.1 \leq L1/L2 \leq 4.0$.

IPC 8 full level
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